

SUB A1

Abstract

Method for data maintenance in an offline-distributed database network system (DBNS) which comprises a central system (CS) having a central database (CD), and a number of node systems (NS) having local databases (LD), with the local databases (LD) at least in some cases containing different subsets of the data from the central database (CD), change information relating to the data stored in the databases (CD, LD) in the database network system (DBNS) being recorded in a number of node systems (NS), the change information for an existing online connection being transmitted as replication objects, which are structured in a number of different types and contain an identification key, from the node systems to the central system or from the central system to the node systems and, if there is no online connection, the replication objects being prepared, in an outbound queue, for subsequent transmission.

The replication objects together with the change information are allocated as responsibilities to the node systems (NS) to which they are intended to be transmitted by means of at least one lookup table (LUT) in a replication algorithm in the central system (CS), and the at least one lookup table is updated, in a realignment algorithm, taking account of the change information.

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(Fig. 1)